

## Kallikrein 5 Polyclonal antibody

Catalog Number: 10514-2-AP

3 Publications

## Basic Information

## Catalog Number:

10514-2-AP

## Size:

300 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG0799

## GenBank Accession Number:

BC008036

## GeneID (NCBI):

25818

## UNIPROT ID:

Q9Y337

## Full Name:

kallikrein-related peptidase 5

## Calculated MW:

32 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

IHC 1:20-1:200

## Applications

## Tested Applications:

IHC, ELISA

## Cited Applications:

WB, IF, IHC

## Species Specificity:

human, mouse

## Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Positive Controls:

IHC : human skin tissue, mouse skin tissue, mouse testis tissue

## Background Information

KLK5 (Kallikrein-5) is also named as SCTE and belongs to the kallikrein subfamily. This protein is predicted to be a secreted serine protease, and the enzyme is found to have proteolytic activity. In serum and ascites fluid, the protein is present in two forms, one at a relatively lower molecular mass (around 50 kDa), and another one around 150-180 kDa and native KLK5 is highly glycosylated or that it may interact with the gel filtration column, leading to delayed retention (PMID:12873991). The activation of the enzyme has been shown to require cleavage of an arginine residue (Arg66-Ile67), suggesting that a trypsin-like serine protease may be involved in this process (PMID:15713679).

## Notable Publications

Author	Pubmed ID	Journal	Application
Bing Wang	33223519	Cell Death Dis	WB, IHC
Yingzhu Kang	33896830	Cancer Biomark	IHC
Nin Megumi M	19118981	J Dermatol Sci	WB, IF

## Storage

## Storage:

Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

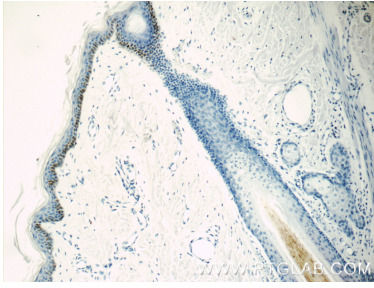
For technical support and original validation data for this product please contact:

T: 4006900926

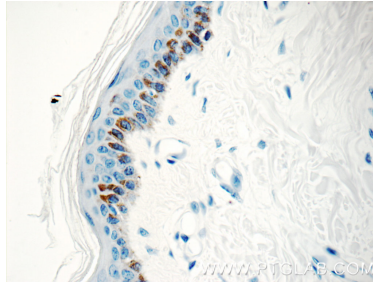
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

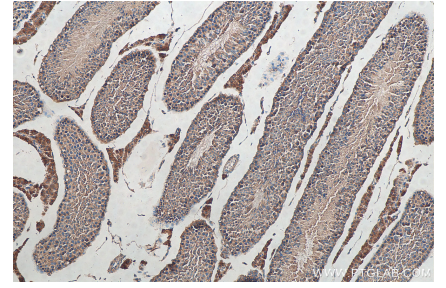
## Selected Validation Data



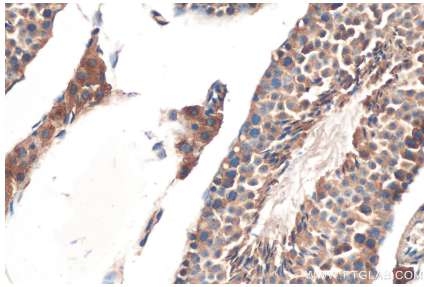
Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 10514-2-AP (Kallikrein 5 antibody) at dilution of 1:50 (under 10x lens).



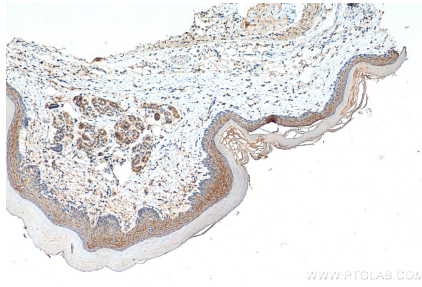
Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 10514-2-AP (Kallikrein 5 antibody) at dilution of 1:50 (under 40x lens).



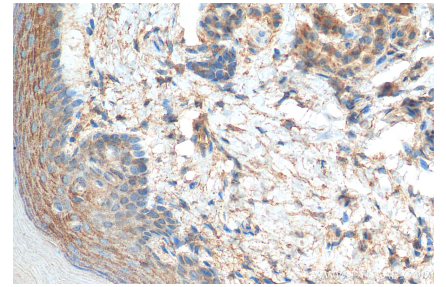
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 10514-2-AP (Kallikrein 5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 10514-2-AP (Kallikrein 5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using 10514-2-AP (Kallikrein 5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using 10514-2-AP (Kallikrein 5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).